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Associates, P.C.

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To: Commissioner for Patents for **Examiner Jeffrey R. Swearingen Group Art Unit 2143**	Facsimile No.: 703/872-9306
From: Amelia Turner Legal Assistant to Lisa L.B. Yociss	No. of Pages Including Cover Sheet: 13

Message:

Transmitted herewith:

- Transmittal Document; and
- Response to Office Action.

Re: Application No. 09/895,233
    Attorney Docket No: AUS920010492US1

Date: Friday, December 03, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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DEC 0 3 2004

In re application of: **Craddock et al.**	§	Group Art Unit: 2143
	§	
Serial No.: 09/895,233	§	Examiner: Swearingen, Jeffrey R.
	§	
Filed: June 29, 2001	§	Attorney Docket No.: AUS920010492US1
	§	

For: **End Node Partitioning Using
Local Identifiers**

35525

PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

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By: _Amelia C. Turner_
         Amelia C. Turner

TRANSMITTAL DOCUMENT

Commissioner for Patents
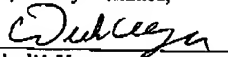P.O. Box 1450
Alexandria, VA 22313-1450

Sir:
TRANSMITTED HEREWITH:

* Response to Office Action.

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to IBM Corporation Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to IBM Corporation Deposit Account No. 09-0447.

Respectfully submitted,

Duke W. Yee
Registration No. 34,285
YEE & ASSOCIATES, P.C.
P.O. Box 802333
Dallas, Texas 75380
(972) 385-8777
ATTORNEY FOR APPLICANTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Craddock et al.**
§
§
§
Serial No.: **09/895,233**   § Group Art Unit: 2143
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Filed: **June 29, 2001**   § Examiner: Swearingen, Jeffrey R.
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For: **End Node Partitioning Using** § Attorney Docket No.: AUS920010492US1
Local Identifiers   §
§

Certificate of Transmission Under 37 C.F.R. § 1.8(a)
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9306, on ⎽⎽12.03.04⎽⎽⎽⎽

By: ⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽⎽
         Amelia C. Turner

RESPONSE TO OFFICE ACTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

No fees are believed to be required. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to IBM Corporation Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to IBM Corporation Deposit Account No. 09-0447.

In response to the Office Action dated September 3, 2004, please amend the above-identified application as follows:

AMENDMENTS TO THE CLAIMS

1. (Currently amended): A method for end node partitioning for a physical element, comprising the steps of:

selecting a configuration of the physical element, said physical element including a plurality of ports;

probing [[a port]] one of said plurality of ports that is included within said physical element, wherein the port is probed with a subnet management packet by a subnet manager;

in response to determining that said physical element is a particular type of physical element, partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and

partitioning said physical element by in response to detecting a switch associated with the port, assigning a different local identifier to the port each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.

2. (Original): The method as recited in claim 1, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.

3. (Original): The method as recited in claim 2, further comprising:

in response to a static selection of the physical element, modifying the configuration of the physical element through at least one of a fabric initialization and a reboot of a node associated with the port.

4. (Original): The method as recited in claim 2, further comprising:

in response to a dynamic selection of the physical element, modifying the configuration of the physical element through a reboot of a node associated with the port.

5.   (Currently amended): The method as recited in claim 1, further comprising:
said physical element being one of a switch, a target channel adapter, and a host
channel adapter.

~~in response to determining an additional port associated with the switch, assigning~~
~~a local identifier to the additional port.~~

6.   (Original): The method as recited in claim 1, further comprising:
in response to a host channel adapter and a host node becoming operational,
reporting the host channel adapters and host processor node as they become operational.

7.   (Original): The method as recited in claim 1, further comprising:
in response to removing a host channel adapter and a host node from operation,
reporting the removal of the host channel adapter and the host node from operation.

8.   (Original): The method as recited in claim 1, further comprising:
connecting one or more operating system images to at least one host channel
adapter.

9.   (Original): The method as recited in claim 8, wherein the host channel adapter is
a virtual host channel adapter.

10-12. (Canceled)

13.   (Currently amended): A system for end node partitioning for a physical element,
comprising:
a selection component for selecting a configuration of the physical element, said
physical element including a plurality of ports;
a probing component for probing one of said plurality of ports that is included
within said physical element [[a port]], wherein the port is probed with a subnet
management packet by a subnet manager;

in response to determining that said physical element is a particular type of physical element, partitioning means for partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and

an assignment component for partitioning said physical element by ~~, in response to detecting a switch associated with the port, for~~ assigning a different local identifier to ~~the port~~ each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.

14.   (Original): The system as recited in claim 13, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.

15.   (Original): The system as recited in claim 14, further comprising:
a modification component, in response to a static selection of the physical element, for modifying the configuration of the physical element through at least one of a fabric initialization and a reboot of a node associated with the port.

16.   (Canceled)

17.   (Currently amended): The system as recited in claim 13, further comprising:
said physical element being one of a switch, a target channel adapter, and a host channel adapter.

~~the assignment component, in response to determining an additional port associated with the switch, assigns a local identifier to the additional port.~~

18.   (Original): The system as recited in claim 13, further comprising:
a reporting component, in response to a host channel adapter and a host node becoming operational, for reporting the host channel adapter and host processor node as they become operational.

19.   (Original): The system as recited in claim 13, further comprising:

a reporting component, in response to removing a host channel adapter and a host node from operation, reporting the removal of the host channel adapter and the host node from operation.

20.   (Original): The system as recited in claim 13, further comprising:

a connection component for connecting one or more operating system images to at least one host channel adapter.

21.   (Original): The system as recited in claim 20, wherein the host channel adapter is a virtual host channel adapter.

22.   (Currently amended): A computer program product in a computer readable medium for end node partitioning for a physical element, comprising:

instructions for selecting a configuration of the physical element, said physical element including a plurality of ports;

instructions for probing one of said plurality of ports that is included within said physical element [[a port]], wherein the port is probed with a subnet management packet by a subnet manager;

in response to determining that said physical element is a particular type of physical element, instructions for partitioning said physical element to provide a plurality of virtual representations of said physical element, each one of said plurality of virtual representations having a unique access control level; and

instructions for partitioning said physical element by , in response to detecting a switch associated with the port, for assigning a different local identifier to the port each one of said plurality of ports that is included within said physical element resulting in a configuration change of the physical element.

23.   (Original): The computer program product as recited in claim 22, wherein selecting the configuration of the physical element includes a static selection of the physical element and a dynamic selection of the physical element.